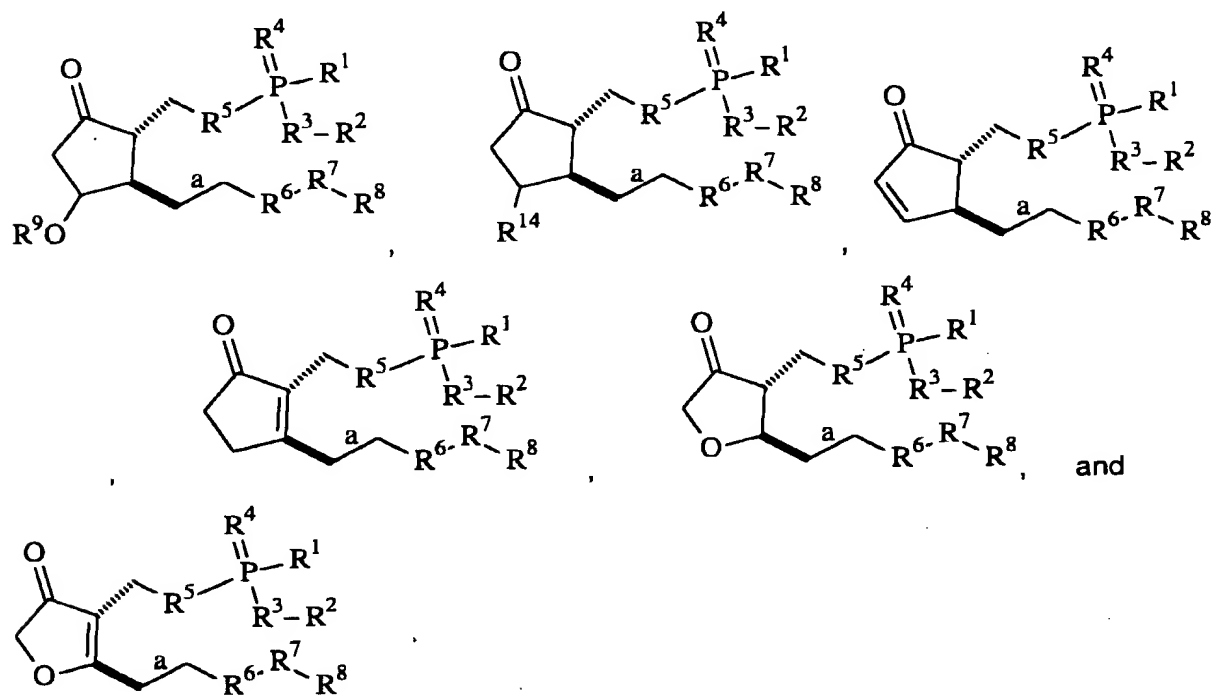


AMENDMENTSIn the claims

Please cancel claims 12, 15, 17 to 27 and 29, without prejudice.

Please amend claims 1 and 28, as follows:

1. (Twice Amended) A 2-decarboxy-2-phosphinico prostaglandin derivative having a structure selected from the group consisting of:



wherein bond a is selected from the group consisting of a single bond, a *trans* double bond, and a triple bond;

R<sup>1</sup> is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group having 1 to 4 carbon atoms, and a monovalent heterogenous group having 1 to 4 member atoms, wherein the member atom directly adjacent to P in said heterogenous group is not oxygen;

R<sup>2</sup> is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group, a substituted monovalent hydrocarbon group, a monovalent heterogeneous group, a substituted monovalent heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, a substituted heteroaromatic group, a mono- or polyvalent inorganic cation and a mono- or polyvalent organic cation;

R<sup>3</sup> is selected from the group consisting of an oxygen atom, a sulfur atom, and NH;

R<sup>4</sup> is selected from the group consisting of an oxygen atom and a sulfur atom;

$R^5$  is a divalent group selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, and a substituted heterogeneous group;

$R^6$  is nil or a divalent group selected from the group consisting of  $-CH_2-$ ,  $-C(O)-$  and  $-C(R^{10})(OR^{10})-$ ;

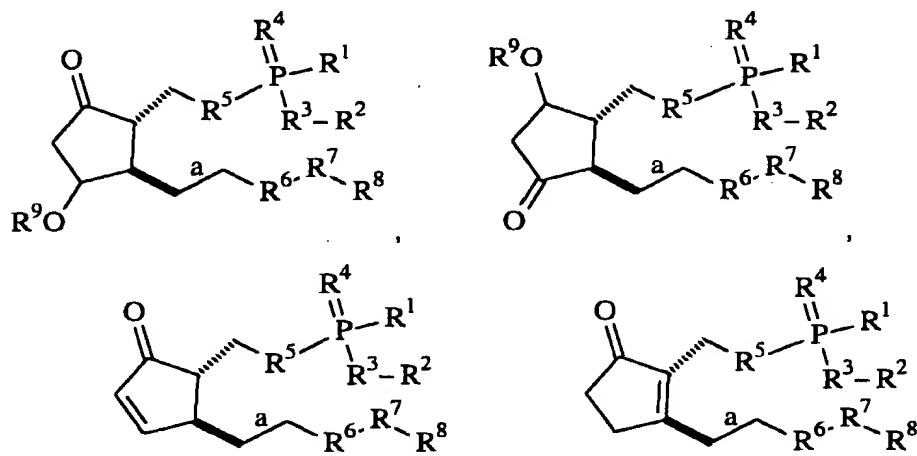
$R^7$  is nil or a divalent group having the formula  $-(CD(D))_p-X-(CD(D))_q-$ , wherein  $p$  is an integer from 0 to 3 and  $q$  is an integer from 0 to 3,  $X$  is selected from the group consisting of an oxygen atom, a divalent hydrocarbon group, a sulfur atom,  $SO$ ,  $SO_2$ , and  $ND$ , and each  $D$  is independently selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms;

$R^8$  is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

$R^9$  is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms; and

$R^{14}$  is independently selected from the group consisting of nil, a hydrogen atom, a halogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms.

28. (Twice Amended) The compound of claim 1, wherein the derivative has a structure selected from the group consisting of:





wherein  $R^{14}$  is independently selected from the group consisting of nil, a hydrogen atom, a halogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogenous group of 1 to 4 member atoms.